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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing **OR** ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

|                          |            |
|--------------------------|------------|
| Attorney Docket Number   | INV-008-US |
| First Named Inventor     | FERGUSON   |
| <b>COMPLETE IF KNOWN</b> |            |
| Application Number       | / UNKNOWN  |
| Filing Date              | UNKNOWN    |
| Group Art Unit           | UNKNOWN    |
| Examiner Name            | UNKNOWN    |

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

APPARATUS AND METHOD FOR PROCESSING CAPACITOR SENSOR SIGNALS USING DIGITAL FREQUENCY SHIFT MEASUREMENT TECHNIQUES WITH FLOATING REFERENCE

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 09/05/2003 as United States Application Number or PCT International

Application Number PCT/US03/027795 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed     | Certified Copy Attached? |                          |
|-------------------------------------|---------|----------------------------------|--------------------------|--------------------------|--------------------------|
|                                     |         |                                  |                          | YES                      | NO                       |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

(Page 1 of 2)

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Rec'd PCT/PTO 18 FEB 2005

PTO/SB/01 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## DECLARATION — Utility or Design Patent Application

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| Name <b>RYDER IP LAW, PC</b><br><b>DOUGLAS J. RYDER</b>   |  |   |  |  |  |
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| Country <b>USA</b>  |  | Telephone <b>(215) 230-5511</b>   |  | Fax <b>(215) 230-3887</b>                                |  |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. |  |   |  |  |  |
| NAME OF SOLE OR FIRST INVENTOR :  |  | <input type="checkbox"/> A petition has been filed for this unsigned inventor |  |  |  |
| Given Name (first and middle [if any]) <u>ROBERT T.</u>   |  | Family Name or Surname <u>FERGUSON</u>  |  |  |  |
| Inventor's Signature <u>Robert T. Ferguson</u>  |  |   |  | Date <u>2/14/2005</u>                                    |  |
| Residence: City <u>PALM HARBOR</u>  |  | State <u>FL</u>   |  | Country <u>USA</u> Citizenship <u>US</u>                 |  |
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| NAME OF SECOND INVENTOR:  |  | <input type="checkbox"/> A petition has been filed for this unsigned inventor |  |  |  |
| Given Name (first and middle [if any])  |  | Family Name or Surname  |  |  |  |
| Inventor's Signature  |  |   |  | Date   |  |
| Residence: City   |  | State   |  | Country Citizenship                                      |  |
| Mailing Address   |  |   |  |  |  |
| City  |  | State   |  | ZIP Country  |  |
| <input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.   |  |   |  |  |  |

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Please type a plus sign (+) inside this box → ☒

PTO/SB/81 (02-01)

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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

|                        |  |
|------------------------|--|
| Application Number     | US National Phase of PCT/US03/027795   |
| Filing Date            | International Filing Date (5 SEP 2003)   |
| First Named Inventor   | FERGUSON   |
| Title                  | APP & METH FOR PROCESSING CAPACITOR SENSOR SIGNALS<br>USING DIG FREQ SHIFT MEASUREMENT TECHS W/ FLOATING REF |
| Group Art Unit         | UNKNOWN  |
| Examiner Name          | UNKNOWN  |
| Attorney Docket Number | INV-008-US   |

I hereby appoint:

☒ Practitioners at Customer Number

38284

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☐ Practitioner(s) named below:

| Name             | Registration Number |
|------------------|---------------------|
| DOUGLAS J. RYDER | 43.073              |
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I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name

ROBERT T. FERGUSON

Signature

*Robert T. Ferguson*

Date

February 11, 2005

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ Total of 1 forms are submitted.

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